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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,088	07/05/2001	In-Sung Choi	P56321	3198

7590 01/23/2004

Robert E. Bushnell
Suite 300
1522 K Street, N.W.
Washington, DC 20005

EXAMINER

SIDDIQI, MOHAMMAD A

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 01/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplement 2/1
Office Action Summary

Application No.

09/898,088

Applicant(s)

CHOI, IN-SUNG

Examiner

Mohammad A Siddiqi

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.

- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: **JOHN FOLLANSBEE**

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. Claims 1-23 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claim 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Cromer et al. (6256732) (hereinafter Cromer).
4. As per claims 1,8 and 17, Cromer discloses a system for real-time device driver (see abstract) error handling (col 10, lines 62-64), comprising:
a computer (col 2, lines 31-35) comprising a device driver (, a monitoring unit (col4, lines 58-62 and col 5, lines 37-39) and a device driver information (col 2, lines 3-15), said monitoring unit monitoring an operating state (col 7, lines 60-64) and searching said device driver information (col 2 lines 3-15), and outputting said diagnosing message to said computer

(col10, lines 22-25) when said device driver errors occur (col 6 lines 61-67);

5. a web server (col 6, lines 28-29 and lines 35-47, it is inherent that web server is a type of remote server that provides Web services and pages to intranet and Internet users) comprising a driver (col 10, lines 7-10) error handling program (col 10, lines 62-64), said device driver error handling program storing a standard driver information (col 10, line 7-10), performing a diagnosis of said device driver by comparing said standard driver information with said device driver information (col 10, lines 1-8), and displaying said diagnosing result on said computer (col 10, lines 20-42).

6. As per claims 2, 12, 18 and 19, Cromer discloses with said web server (col 6, lines 28-29 and lines 35-47, it is inherent that web server is a type of remote server that provides Web services and pages to intranet and Internet users)

a first portion storing said standard driver information (col 10, lines 7-8);

a second portion interpreting said device driver information (col 10, line 7-10) searched by said monitoring unit (col 2, lines 23);

a third portion performing a diagnosis of said device driver by comparing said standard driver information (col 10, lines 1-8) from said first

portion with said device driver information from said second portion (col 10, lines 1-8); and

a fourth portion displaying the diagnosing result from said third portion to said computer (col 10, lines 20-42).

7. As per claims 3,9, 10, and 20, Cromer discloses a displaying the error correction result to said computer after automatically correcting the error by said standard diagnosis information stored in said first portion in case of an automatically correctable error (col 7, lines 59-67), said fourth portion displaying how to correct the error to said computer in case of automatically uncorrectable error when the device driver error occurs (col 8, lines 1-20).

8. As per claims 4, 11, and 13, Cromer discloses with said monitoring unit being a file of said computer (col 18, lines 11-12), said file being a logical block of computer information as designated by a name and treated as a unit (col 2, lines 23-29).

9. As per claims 5, and 14, Cromer discloses, with said file not being able to be manipulated by a user of said computer (col 2, lines 23-29, Automatically simply means no manual intervention).

10. As per claims 6, and 15, and 21, Cromer discloses with said standard driver information being changeable by an operator (col 10, lines 7-10) of said web server (col 6, lines 28-29 and lines 35-47, it is inherent that web server is a type of remote server that provides web services and pages to intranet and Internet users, web page is a document written in HTML and stored on the server, It may refer to images which appear as part of the page when it is displayed by a web browser).

11. As per claims 7, 16, and 22, Cromer discloses with the automatically uncorrectable error being a hardware error of said computer or a device corresponding to said device driver (col 10, lines 20-42).

12. As per claim 23, Cromer discloses a correction of the error when the error is automatically correctable and when said first computer opted no correction in said step of prompting a response from said first computer (col 10, lines 57 -65); executing no correction of the error when the recommendation is not accepted; and correcting the error when the recommendation is accepted Col 9, lines 11-37).

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- U.S. Patent 6058445 to Chari et al.
- U.S. Patent 6597956 to Aziz et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-8498. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

MAS



JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100